**TOPIC: FAILURE OF DRAINAGE SYSTEMS**

**Section A**: Demographic Information

Gender: Male Female

Age: 18-20 21-23 24-25 26 and above

**Section B**: The question is about the general knowledge about the drainage systems in Malaysia

Instruction: Give a short answer (not more than 20 words) to the question’s provided.

1. What do you know about drainage systems?

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**Section C**: The questions are about the general knowledge about the failure of drainage systems in

Malaysia. The questions also are based on creative and critical (C&C) thinking.

Instruction: Circle an answer to the question’s provided.

2. What do you think of the drainage systems at the following areas?

(a)Urban

1

Very Poor

2

Poor

3

Moderate

4

Good

5

Excellent

(b)Suburb

1

Very Poor

2

Poor

3

Moderate

4

Good

5

Excellent

(c)Rural

1

Very Poor

2

Poor

3

Moderate

4

Good

5

Excellent

3. What do you think about the maintenance/management quality of drainage systems in Malaysia?

1

Very Poor

2

Poor

3

Moderate

4

Good

5

Excellent

4. What do you think about the drainage systems in University of Malaysia Pahang (UMP)?

1

Very Poor

2

Poor

3

Moderate

4

Good

5

Excellent

5. What is/are the causes of failure of drainage systems?

A Failure during the designing

B Using materials of low quality

C Insufficiency/Inefficiency of drainage systems

D All of the above

6. What is/are the effects of the failure of drainage systems?

A Flooding

B Landslides

C Environmental effects

D All of the above

7. What is the optimum depth of water table that needed to design subsurface drainage systems?

A 6 meters

B 12 meters

8. in your opinion, who is liable for the failure of drainage systems?

A Department of Water Supply (JBA)

B Department of Irrigation and Drainage (JPS)

9. Which country has an excellent quality of drainage systems?

A Malaysia

B Finland

C Pakistan

**Section D**: The question is based on creative and critical thinking(C&C) about the failure of drainage

systems in Malaysia.

Instruction: Give short answer (not more than 20 words) based on the question provided.

10. What is/are your suggestions to improve the quality of drainage systems in Malaysia?

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